

**WHAT IS CLAIMED IS:**

1. A PC mainboard test fixture comprising:
  - a platform to install the mainboard;
  - a frame located on the platform, said frame consists of a plurality number of pole, a plurality number of round tube as beam and several support rod installed among those said pole;
  - 5 at least one hanging pedestal installed freely on said support rod, a pressing handle is on each of said hanging pedestal to move said hanging pedestal up or down, a board slot for the circuit board to fit in located beneath every said hanging pedestal;
  - 10 a plurality number of extension connector located beneath every said board slot to connect to said circuit board, a plurality number of connecting slots located above and connected to said every corresponding extension connector; and
  - a positioning board being beneath every said extension connector, said positioning board corresponds to the location of the connecting pin of said extension connector, a positioning hole is for the corresponding connecting pin to pass through, when said connecting pin passes through said corresponding positioning hole, by the guidance and positioning of said positioning hole, said connecting pin can move up and down in a preset path.
- 15 2. The PC mainboard test fixture recited in claim 1, wherein several connecting plate linking said support rod of said frame, a plurality number of screw holes are on said connecting plate to have the connecting components to link said connecting plate and said support rod to stable said hanging pedestal and said frame, when said connecting components loosen, said hanging pedestal can be moved right or left for proper position.
- 20 3. The PC mainboard test fixture recited in claim 2, wherein said connecting components being screws.
4. The PC mainboard test fixture recited in claim 2, wherein both ends of said

support rod wrapping around said round tube on both sides of said frame, such structure makes said support rod to move forward or backward, operators can adjust the position of said support rod to make said hanging pedestal to the position of said connecting port of said mainboard.

- 5 5. The PC mainboard test fixture recited in claim 1, wherein said platform consists of a the stationary board and an adjustable board, a base for said mainboard to install is above said adjustable board, a plurality number of wheels in vertical direction in equal distance are installed on the bottom of said adjustable board, said stationary board locates inside said frame that is beneath said adjustable board, a plurality number of wheel slot are beneath those wheels and above said stationary board, the wheels can roll inside said wheel slot to make said adjustable board move forward or backward on said stationary board, such movement can push said mainboard into the frame for testing, after testing, said mainboard can be pulled out from the frame after test.
- 10 15. 6. The PC mainboard test fixture recited in claim 4, wherein said pressing handle located above said hanging pedestal can move said hanging pedestal up and down, a heat sink slot to install a heat sink locates beneath said hanging pedestal, during heat dissipation test, said hanging pedestal is moved up to the position of the CPU of said mainboard, then pull said pressing handle of said hanging pedestal to have said heat sink slot move down and have said heat sink on the surface of the CPU of said mainboard.
- 20 25. 7. The PC mainboard test fixture recited in claim 4, wherein said pressing handle located above said hanging pedestal can move said hanging pedestal up and down, a peripheral connector with a peripheral connecting port is beneath said hanging pedestal, said peripheral connecting port connects to the peripheral devices, a plurality number of peripheral connecting pin are beneath said peripheral connector to connect to the other peripheral connecting ports of said mainboard, said peripheral connector with the peripheral devices connect to said mainboard for

testing and interchanging information with said mainboard.

8. The PC mainboard test fixture recited in claim 7, wherein said peripheral devices being a printer.
9. The PC mainboard test fixture recited in claim 1, wherein two inclined angles 5 that preventing the fastener of said connecting port of said mainboard from closing are on both sides of said positioning board, said inclined angles incline inward to fit the angle of said fastener to prevent said fastener from covering top of said extension connector.
10. The PC mainboard test fixture recited in claim 1, wherein said circuit board 10 being a network card.